

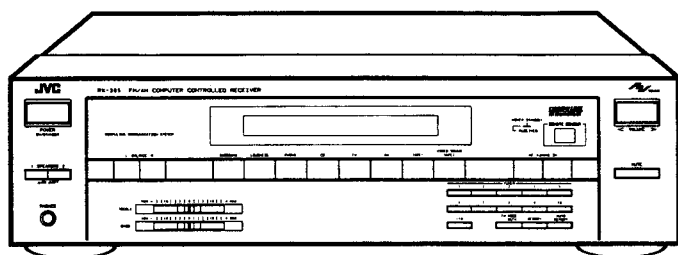
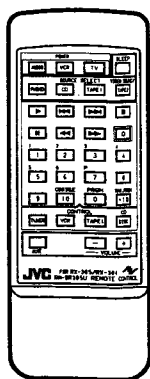
INSTRUCTIONS

RX-305TN/305LTN

RX-304BK/304LBK

COMPUTER CONTROLLED RECEIVER

BEDIENUNGSANLEITUNG: COMPUTERGESTEUERTER RECEIVER
INSTRUCTIONS: AMPLI-SYNTONISEUR COMMANDE PAR ORDINATEUR
GEBRUIKSAANWIJZING: KOMPUTER GESTUURFDE RECEIVER
INSTRUCCIONES: RECEPTOR CONTROLADO POR COMPUTADORA
BRUKSANVISNING: ÅTORSTYRD RECEIVER



COMPU LINK
/// Remote ///
Control Component

For Customer Use:
Enter below the Model No. and Serial No.
which is located either on the rear, bottom
or side of the cabinet. Refer to this information
for future reference.

Model No. _____

Serial No. _____

E30580-1 66

IMPORTANT (In the United Kingdom)
Mains Supply (AC 240 V~, 50 Hz only)

IMPORTANT

Do not make any connection to the Larger Terminal coded E or Green. The wires in the mains lead are coloured in accordance with the following code:



If these colours do not correspond with the terminal identifications of your plug, connect as follows:

Blue wire to terminal coded N (Neutral) or coloured Black.

Brown wire to terminal coded L (Live) or coloured Red.

If in doubt – consult a competent electrician.

IMPORTANT FOR AC OUTLET(S)

Connect only the audio equipments. Moreover do not connect any equipments which have a power consumption exceeding the value indicated by the AC OUTLET(S).

BEMAERK: I stilling OFF er apparatet stadig forbundet med lysnettet. Hvis det ønskes fuldstændig afbrudt skal netledningen trækkes ud.

VARNING

Strömställaren POWER är sekundärt kopplad och skiljer inte apparaten från nätet i läge STAND BY. För att apparaten skall skiljas från nätet skall nätsladden dras ur från vägguttaget.

IMPORTANT (CANADA ONLY/CANADA SEULEMENT)

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT

COMPU LINK
/// Remote ///
Control System

COMPU LINK is a computer-linked system in which microcomputers in individual JVC audio and/or video components control the system's operation. For details, see page 15.

COMPU LINK ist eine Computer-gesteuerte Verkopplung einzelner JVC Audio- und Videokomponenten. Weitere Angaben hierzu siehe Seite 27.

COMPU LINK est un système de liaison à ordinateur dans lequel des microprocesseurs dans des appareils audio et/ou vidéo JVC indépendants commandent le fonctionnement du système. Pour de détails, voir en page 39.

COMPU LINK is een komputer testuurd systeem waarbij mikrocomputers in de afzonderlijke JVC audio en/of video componenten de bediening van het systeem regelen. Zie biz. 51 voor details.

COMPU LINK es un sistema de enlace por computadora en el cual las microcomputadoras en los componentes de audio y/o video de JVC controlan el funcionamiento del sistema. Para mayores detalles, refiérase a la página 63.

COMPU LINK ä ett datorlänkat system i vilket mikrodatorer i varje enskild ljud- och/eller videokomponent av fabrikatet JVC styr anläggningen. Se närmare beskrivning på sidan 75.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

Thank you for purchasing this JVC product. Before you begin operating this unit, please read the instructions carefully to be sure you get the best possible performance. If you have any questions, consult your JVC dealer.

Note:

- This instruction manual has been prepared for the four models, the model numbers of which are shown on the front cover. Model numbers with an L suffix show receivers which can receive LW broadcasts.

VOORZICHTIG

Ter vermindering van gevaar voor brand, elektrische schokken, enz.:

1. Verwijder geen schroeven, panelen of de behuizing.
2. Stel dit toestel niet bloot aan regen of vocht.

Dank U voor het in dit JVC produkt gestelde vertrouwen.

Lees deze gebruiksaanwijzing vóór ingebruikname van dit toestel aandachtig door ter verkrijging van de beste prestaties.

Raadpleeg Uw JVC dealer in geval van twijfel.

Opmerking:

- De toepassing; de modelnummers hiervan zijn op de voorkant van de omslag aangeven. Modelnummers, eindigend op een L, duiden op tuner-versterker, waannee uitzendingen op de lange golf kunnen worden ontvangen.

ACHTUNG

Zur Verhinderung von elektrischen Schlägen, Brandgefahr usw.:

1. Keine Schrauben lösen oder Abdeckungen entfernen und nicht das Gehäuse öffnen.
2. Dieses Gerät weder Regen noch Feuchtigkeit aussetzen.

Vielen Dank für den Kauf dieses JVC-Produkts. Bitte lesen Sie diese Bedienungsanleitung sorgfältig, bevor Sie dieses Gerät in Betrieb nehmen, um die beste Leistung zu erhalten. Falls Sie Fragen haben, wenden Sie sich bitte an Ihren JVC-Fachhändler.

Hinweis:

- Diese Bedienungsanleitung ist für die vier Modelle vorgesehen, deren Modellbezeichnung auf der Vorderseite abgedruckt ist. Die L-Bezeichnung kennzeichnet für LW Empfang geeignete Geräte.

PRECAUCION

Para reducir riesgos de electrochoques, incendio, etc.:

1. No extraiga los tornillos, cubiertas o la caja.
2. No exponga este aparato a la lluvia o humedad.

Deseamos, antes que nada, agradecerle por la compra de uno de los productos de JVC.

Antes de poner esta unidad en operación asegúrese de leer estas instrucciones para de tal modo, obtener el mayor rendimiento posible.

Cualquier duda o pregunta, sírvase dirigirse a su concesionario JVC.

Nota:

- Este manual de instrucciones ha sido preparado para los cuatro modelos cuyos números figuran en la tapa delantera. Los que llevan una L como sufijo indican que pueden captar transmisiones en OL (LW).

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie etc.:

1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

Nous vous remercions pour l'achat de cet appareil de JVC.

Pour que vous puissiez obtenir les meilleures performances possibles, nous vous recommandons de lire attentivement la présente notice d'emploi avant de commencer à utiliser votre nouvel appareil.

En cas de question, consultez votre revendeur JVC.

Remarque:

- Ce manuel d'instructions est destiné aux quatre modèles dont le numéro est inscrit en page de couverture. Les numéros de modèles accompagnés du suffixe L indiquent que les ampli-syntonisateurs pouvant recevoir les émissions GO.

VARNING

Elektriska stötar och överslag i apparaten kan elimineras genom följande:

1. Ta inte bort struvar, lock eller ytterhölje från apparaten.
2. Utsätt inte apparaten för regn eller fukt.

Tack för valet av denna JVC-produkt. Läs noga igenom dessa anvisningar innan apparaten börjar användas för att erhålla bästa möjliga ljudåtergivning. För ytterligare information, kontakta JVC-handlaren.

Anm:

- Denna bruksanvisning beskriver fyra modeller; modellnumren anges på omslaget. De båda modellerna handhavande är praktiskt taget identiska.

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IMPORTANT NOTES

1. Installation

- Select a place which is level, dry and neither too hot nor too cold (between -5°C and $40^{\circ}\text{C}/23^{\circ}\text{F}$ and 104°F).
- Be sure there is adequate ventilation; poor ventilation may cause the unit to malfunction.
- Leave sufficient distance between the receiver and your TV.

2. Power

- Do not handle the power cord with wet hands!
- When unplugging from the wall outlet, always pull the plug, not the power cord.

3. Malfunctions etc.

- Do not insert any metallic objects into the receiver.

BELANGRIJK

1. Installeren

- Zoek een plaats uit die waterpas, droog en noch te warm, noch te koud is (tussen -5°C en 40°C).
- Zorg dat er genoeg ventilatie is: slechte ventilatie kan er de oorzaak van zijn dat het toestel niet goed werkt.
- Houd het toestel zover mogelijk van de TV verwijderd.

2. Netsnoer

- Raak het netsnoer nooit met natte handen aan!
- Neem altijd de stekker zelf, nooit het snoer, beet wanneer de stekker uit het stopcontact getrokken wordt.

3. Defecten, enz.

- Steek geen metalen voorwerp in de tuner.

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WICHTIG

1. Ausstellung

- Das Gerät auf eine ebene Fläche stellen. Der Aufstellungsort sollte trocken und weder zu warm noch zu kalt sein (zwischen -5°C und $+40^{\circ}\text{C}$).
- Ausreichende Belüftung gewährleisten. Unzureichende Belüftung kann Störungen verursachen.
- Zwischen dem Receiver und dem Fernseher einen ausreichenden Abstand einhalten.

2. Netzkabel

- Das Netzkabel nicht mit feuchten Händen anfassen.
- Zum Abtrennen des Netzkabels von der Steckdose immer am Stecker ziehen, niemals am Kabel.

3. Fehlfunktionen usw.

- Darauf achten, daß keine Metallgegenstände in den Receiver eindringen.

NOTAS IMPORTANTES

1. Instalación

- Elija un lugar nivelado, seco y que no sea demasiado caluroso ni demasiado frío (entre -5°C y $+40^{\circ}\text{C}$).
- Tenga en cuenta que haya una ventilación adecuada; la falta de ventilación puede ocasionar fallas en la unidad.
- Deje suficiente espacio entre el receptor y el televisor.

2. Alimentación

- ¡No toque el cordón de alimentación con las manos mojadas!
- Cuando lo desenchufe del tomacorriente de pared, tire siempre de la clavija, no del cordón.

3. Fallas de funcionamiento, etc.

- No inserte ningún objeto metálico en el receptor.

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REMARQUES IMPORTANTES

1. Installation

- Choisir un endroit plan, sec et ni trop chaud, ni trop froid (entre -5°C et 40°C).
- S'assurer qu'il y a une bonne ventilation; une mauvaise ventilation peut causer un mauvais fonctionnement de l'appareil.
- Laisser une distance suffisante entre l'amplisynthesiseur et votre téléviseur.

2. Alimentation

- Ne pas toucher au cordon d'alimentation avec les mains humides!
- En débranchant l'appareil de la prise murale, toujours tirer sur la fiche, pas sur le cordon d'alimentation.

3. Mauvais fonctionnements, etc.

- Ne pas introduire d'objets métalliques dans l'ampli-synthesiseur.

VIKTIGA ANMÄRKNINGAR

1. Installation

- Välj ett ställe som är plant, torrt och varken för varmt eller för kallt (mellan -5 och 40 grader).
- Se till att god luftcirkulation finns, eftersom dålig ventilation kan orsaka funktionsfel.
- Lämna tillräckligt stort avstånd mellan receptorn och TV-mottagaren.

2. Nätsladd

- Ta inte i nätsladden med våta händer!
- Håll alltid i stickkontakten, inte i sladden, när sladden ska dras ur från vägguttaget.

3. Eventuella funktionsfel

- Stoppa inte in metallföremål i apparaten.

ENGLISH

DEUTSCH

FRANÇAIS

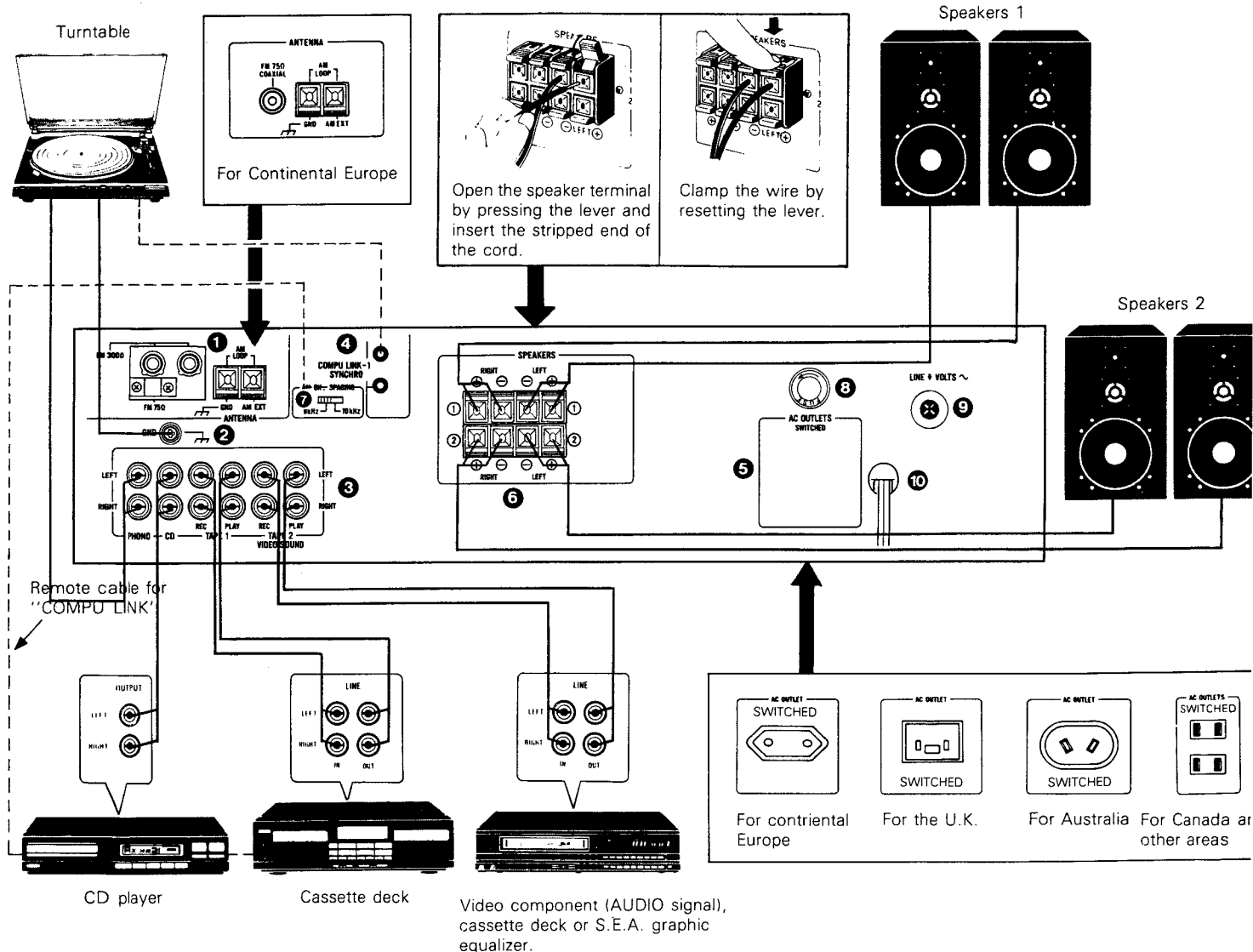
NEDERLANDS

ESPAÑOL

SVENSKA

Connection Diagram

Switch the power off when connecting any cables.



- 1 ANTENNA terminals
- 2 GND
- 3 PHONO, CD, TAPE 1, TAPE 2/VIDEO SOUND terminals
- 4 COMPU LINK-1/SYNCHRO terminals
Connect to JVC components provided with COMPU LINK-1/SYNCHRO terminals for the COMPU LINK control system function.
- 5 AC OUTLETS (SWITCHED)
- 6 SPEAKERS 1, 2 terminals
- 7 AM channel spacing switch**
See "Listening to AM or FM Broadcasts" section.
- 8 Fuse holder*
- 9 Voltage selector**
- 10 Power cord

- * Not provided on units for Canada, the United Kingdom and Australia.
- ** Not provided on units for Canada, Continental Europe, the United Kingdom and Australia.

Notes:

- When connecting components, connect their left and right channels correctly. If channels are reversed, the stereo effect will be degraded.
- Connect speakers with the correct polarity: (+) to (+) and (-) to (-). Reversed polarity will degrade the stereo effect. Be careful to prevent adjacent speaker wires from touching each other.
- Use speakers with the correct impedance. The correct impedance is indicated on the rear panel of the RX-305TN(LTN)/RX-304BK(LBK).
- The AC OUTLETS do not supply power when the power switch is turned off. Do not connect equipment requiring more than the outlet's rated value.
- Do not connect the remote cable when connecting the JVC cassette deck having COMPU LINK-1/SYNCHRO terminals to the TAPE 2/VIDEO SOUND terminals.
- Connect a turntables using a moving magnetic (MM) type cartridges to the PHONO terminals.

Antennas

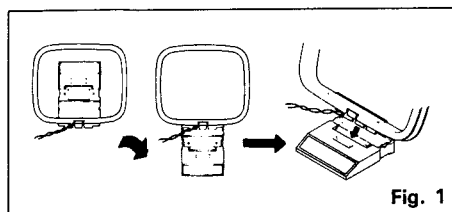


Fig. 1

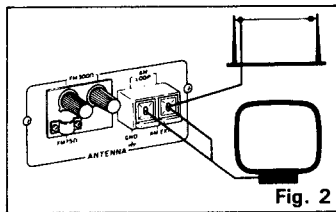


Fig. 2

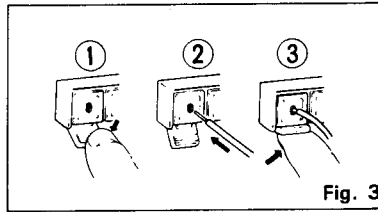


Fig. 3

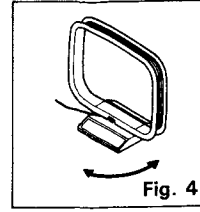


Fig. 4

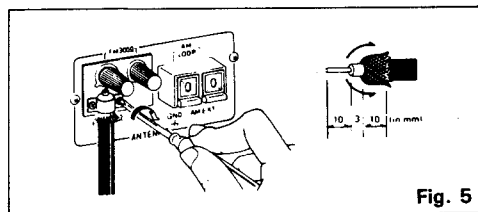


Fig. 5

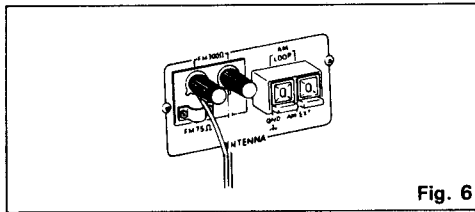


Fig. 6

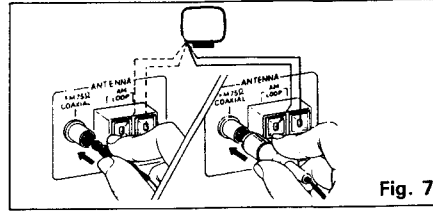


Fig. 7

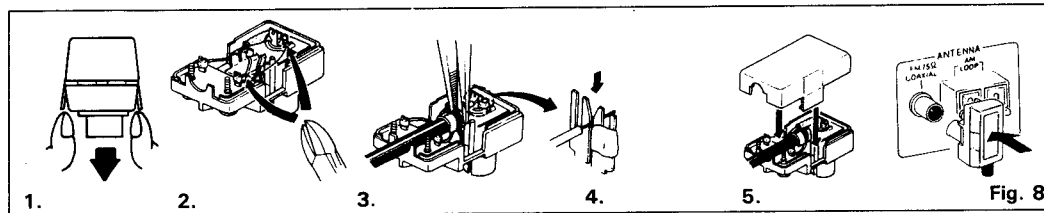


Fig. 8

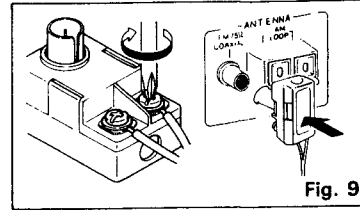


Fig. 9

AM antennas

Figure 1: How to assemble the AM loop antenna

Figure 2: AM loop antenna

This antenna is for the reception of local AM broadcasts.

Figure 2: AM external antenna

If AM reception is unsatisfactory, connect an external AM antenna (single-wire antenna) to the AM EXT terminal.

Figure 3: Connection of AM antenna

- ① Open antenna terminals levers.
- ② Plug cords into the terminals.
- ③ Close the levers.

Figure 4: Noise and interference

Change the direction of the loop antenna, or re-install it in a better position if the reception is noisy.

Notes:

- If the provided loop antenna is not connected or an uninsulated antenna wire touches the rear panel, it will be impossible to receive AM broadcasts.
- When installing an external AM antenna, leave the AM loop antenna connected.

FM antennas

Ⓐ: Except for Continental Europe

Figure 5: 75-ohm antenna with coaxial

Loosen the screws on the bracket and insert the cable through the ring from below. Connect the stripped core to the upper terminal then tighten the ring. The ring is the antenna ground.

Figure 6: Feeder antenna

Connect to the FM 300 Ω terminals. Make sure the feeder antenna wires do not touch any other terminals.

Ⓑ: For F.R. Germany

Figure 7: 75-ohm antenna with coaxial

- The FM wire antenna provided can be connected to a FM 75 Ω COAXIAL terminal as a temporary measure.
- A 75-ohm antenna with coaxial type connector (DIN 45 332) should be connected to the FM 75 Ω COAXIAL terminal.

Ⓒ: For Continental Europe

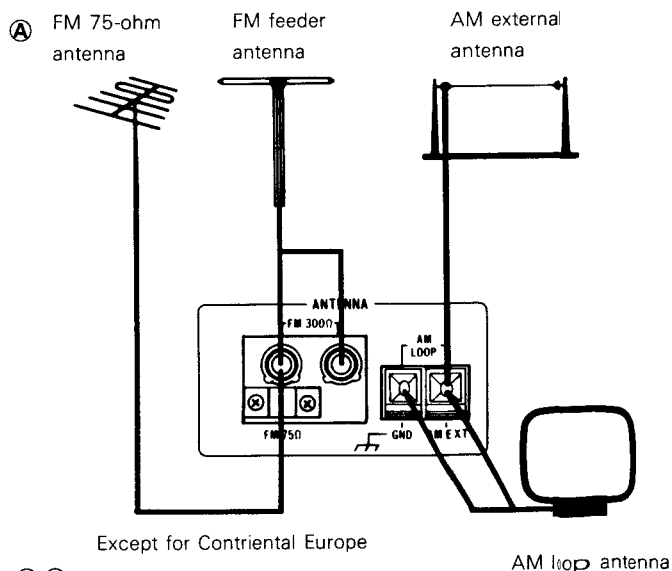
Figure 8: 75-ohm antenna with coaxial

1. Open the claws at both sides and remove the cover.
2. Cut both ends of the cord and remove it.
3. Fix the coaxial cable and its core.
4. Put on the cover.

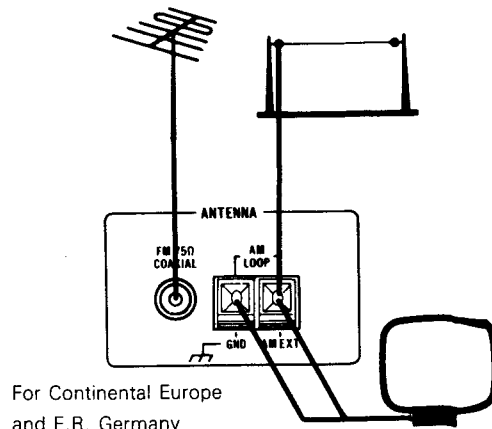
Figure 9: 300-ohm antenna

Attach the feeder antenna to the FM connector as shown in the figure. Connect the FM connector to the FM 75 Ω COAXIAL terminal.

Antenna Connections

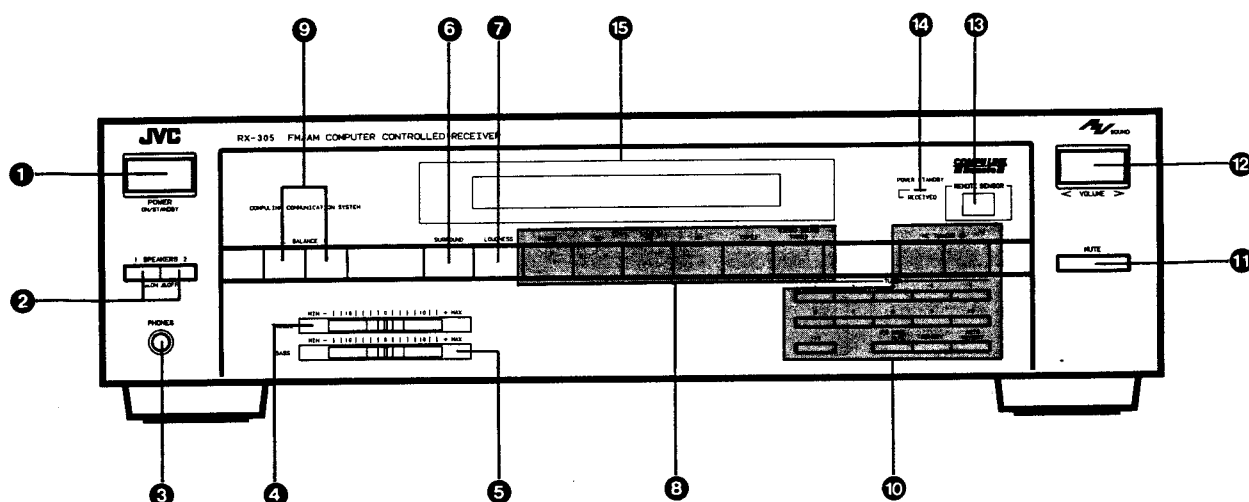


Ⓑ Ⓒ



Front Panel

RX-305TN(LTN)/RX-304BK(LBK)



1 POWER (ON/STANDBY)

Press this button to turn the power ON. Press again to turn the power off and activate the STANDBY mode. The STANDBY indicator will light.

A small amount of power (5 watts) is consumed in the STANDBY mode. To turn the power off completely, disconnect the power cord from the wall outlet. Preset data is retained in memory while the power cord is plugged into the wall outlet. If the power cord is disconnected or a power failure occurs, data is retained for two or three days.

2 SPEAKERS 1, 2

Turns speakers 1 and 2 ON or OFF.

3 PHONES

Plug headphones into this jack. If you want to hear from the headphones alone, turn OFF speakers 1 and 2.

4 TREBLE

Adjusts treble sound. Slide the knob to the left to weaken the treble sound and to the right to strengthen it.

5 BASS

Adjusts bass sound. Slide the knob to the left to weaken the bass sound and to the right to strengthen it.

6 SURROUND

Turns the surround sound effect ON or OFF.

7 LOUDNESS

Turns LOUDNESS ON or OFF. The ON position makes up for loss of the human auditory sensation when the sound volume is low.

8 SOURCE

Use the following keys to select sources:

PHONO: Press to listen to records.
CD: Press to listen to CDs.
FM: Press to listen to FM broadcasts.

AM (MW/LW):

Press to listen to AM (MW/LW) broadcasts.

TAPE 1:

Press to operate the tape deck connected to the TAPE 1 terminals.

TAPE 2/VIDEO SOUND:

Press to operate the tape deck or video equipment connected to the TAPE 2/VIDEO SOUND terminals.
 (alternates between ON and OFF)

9 BALANCE L, R

Adjusts the volume balance between the left and right speakers.

10 TUNER

Use the following keys to listen to AM or FM broadcasts:

MEMORY: Stores an AM or FM frequency (station) on a preset channel.

AUTO MEMORY: Stores an AM or FM frequency on a preset channel using the AUTO MEMORY feature.

FM MODE/MUTE: Selects FM reception modes.

TUNING <, >: Tunes in an AM or FM frequency.

1 - 10, + 10 (Tuner numeric keys):

Press to select preset channels.

11 MUTE

Turns sound ON or OFF temporarily.

12 VOLUME <, >

Adjusts the volume of sound from the speakers or headphones.

13 REMOTE SENSOR

Receives signals from the remote control unit.

14 RECEIVED and POWER STANDBY indicator

Lights when signals are received from the remote control unit or when the machine is in the STANDBY mode.

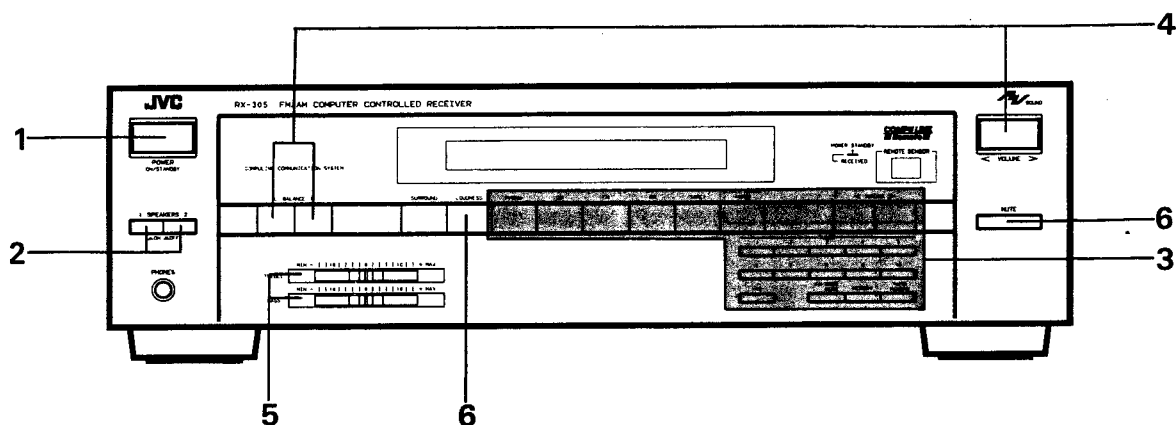
15 Display and indicator

Shows the operating status.

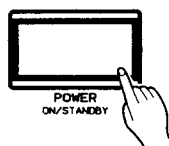
Basic Operation

— Before Operating —

Before plugging the power cord into an AC outlet, check to be sure the individual components are connected correctly.



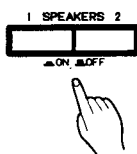
1. Turn the POWER switch to ON.



Note:

If a malfunction occurs when the power is ON, unplug the power cord and then plug it in again.

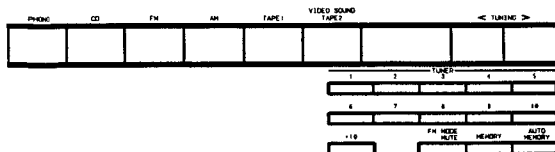
2. Select a speaker system by pressing one of the SPEAKERS keys.



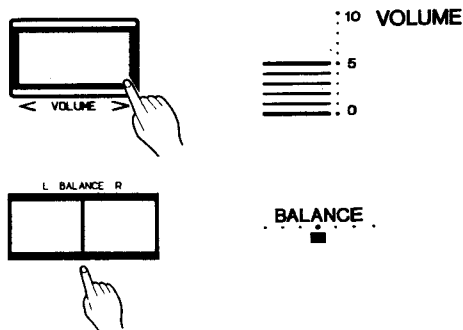
Note:

If speakers are not connected to both SPEAKERS 1 and 2 terminals, do not turn ON both speaker systems as that would suppress sound output.

3. Operate these keys, as needed, by following the directions given further on.



4. Adjust the VOLUME and BALANCE keys to your taste.



Note:

These keys vary their settings while they are being pressed.

5. Adjust the TREBLE and BASS knobs for desired sound.

6. Press the LOUDNESS and MUTE keys as needed.

- Press to make up for loss of the human auditory sensation when the sound volume is low.



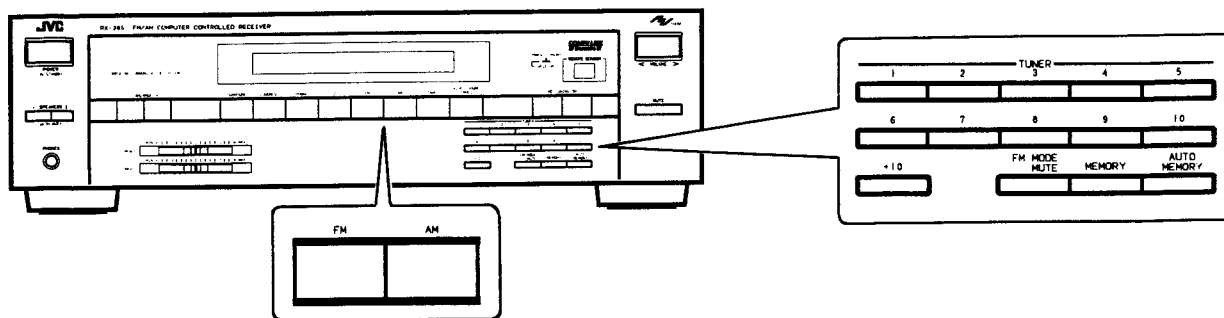
- Press to temporarily cancel sound output.



Note:

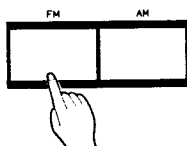
The MUTE key is reset when the VOLUME or BALANCE keys are pressed.

Listening to AM or FM Broadcasts

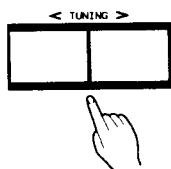


■ Selecting a Station

1. Press the AM (MW/LW) or FM key.



2. Use the TUNING keys to find a station.



Hold the TUNING key down to change the frequency faster, then tap the key to set the frequency precisely. In the RX-305LTX/RX-304LBK when tuning reaches the upper limit of the LW frequencies, it automatically skips to the lower limit of the MW frequencies. The opposite may also occur.

FM 87.50 MHz

Auto-tuning starts when the TUNING keys are released and stops when a station is tuned. To halt auto-tuning, press a TUNING key. A three-digit number is used to display an FM frequency for equipment exported to Canada.

3. The TUNED indicator will light when a station is tuned in correctly.

TUNED STEREO MUTE AUTO
FM 91.50 MHz

Adjust the antenna if the indicator does not light.

- While tuning in an FM station, press the FM MODE/MUTE key to light the MUTE/AUTO indicator, this cuts out inter station noise while tuning.
- The STEREO indicator will light when an FM stereo station is tuned in correctly.

If the FM stereo station is weak and noisy, press the FM MODE/MUTE key again to turn off the MUTE/AUTO indicator to improve reception (broadcast becomes monaural).

■ Presetting Stations

You can preset a total of 40 AM (MW/LW) and FM station (CH 1 through CH 40).

1. Tune in the desired station with the TUNING keys.

TUNED STEREO MUTE AUTO
FM 91.50 MHz

2. Press the MEMORY key to light its indicator.

MEMORY TUNED STEREO MUTE AUTO
FM 91.50 MHz -- ch

3. Enter the channel number with numeric keys while the indicator is on (for about 5 seconds).

1 2 TUNED STEREO MUTE AUTO
FM 91.50 MHz 1 ch

- If the indicator turns off before you enter the channel number, press the MEMORY key again.

4. Repeat this procedure to preset other channels.

■ Recalling preset channels

1. Press numeric keys to select a preset channel.

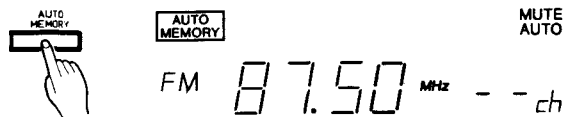
1 2 VOLUME BALANCE TUNED STEREO MUTE AUTO
CH- 1 FM 91.50 MHz 1 ch

- To indicate numbers 1 through 10, simply press the appropriate keys.
To indicate numbers over 10, press the appropriate combination of keys.
Examples;
To indicate 17, press "+10", then "7".
To indicate 20, press "+10", then "10".
To indicate 26, press "+10" twice, then "6".
To indicate 40, press "+10" three times, then "10".

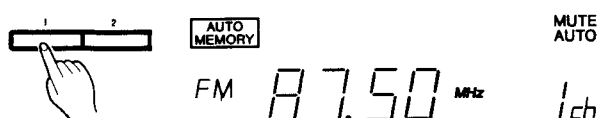
■ AUTO MEMORY

The auto-memory feature scans frequencies upward and presets stations as they are tuned, in ascending channel number order.

1. Using the TUNING keys, select the frequency from which you want auto-memory to start (the lower-limit frequency).
2. Press the AUTO MEMORY key to light its indicator.



Enter the starting channel number with the numeric keys while the indicator is on (about 5 seconds).



- If the indicator turns off before you enter the channel number, press the AUTO MEMORY key again.
3. The auto-memory feature starts scanning frequencies upward.

The TUNED indicator will light when a station is tuned, with the channel number blinking (for about 5 seconds).



4. The presetting is complete when the MEMORY indicator is lit.



This continues until the upper-limit frequency is reached or all 40 channels are filled.

Note:

If you do not want to preset a station, resume scanning by pressing the AUTO MEMORY key while the channel number is blinking. To halt the auto-memory feature, press any TUNER key other than the AUTO MEMORY key.

AM channel spacing

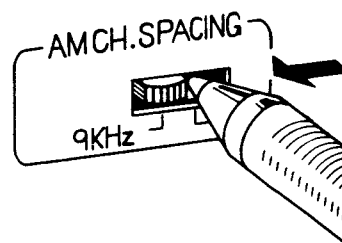
AM channel spacing switch is provided on the rear panel to select between 9 kHz or 10 kHz steps depending on the area in which the receiver is used.

(Not provided on units for Canada, Australia, United Kingdom and continental Europe.)

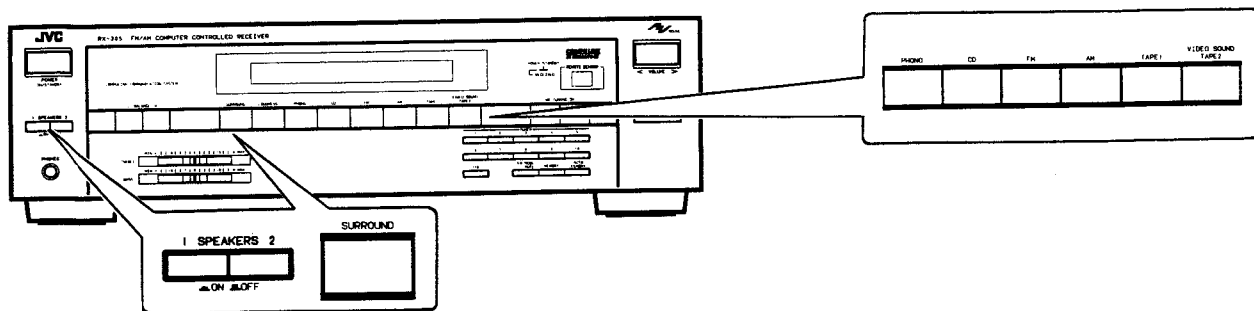
Area	Band	FM	AM (MW)	AM (LW)
Canada		100 kHz	10 kHz	—
Continental Europe, U.K.		50 kHz	9 kHz	1 kHz
Australia		50 kHz	9 kHz	—
Others area		50 kHz	9 kHz* or 10 kHz	—

Note: *Preset at the factory.

First, turn the power ON, then disconnect the power cord. Wait for a few seconds and switch over the AM channel spacing switch as shown in figure using the tip of a ballpoint pen.



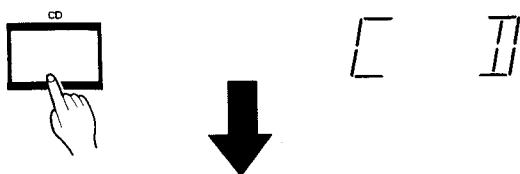
Playing Back Sources



■ Playing Back Sources

1. Press the SOURCE key for the desired source.
2. Operate the corresponding equipment.

<If you select CD>



CD player can be operated.

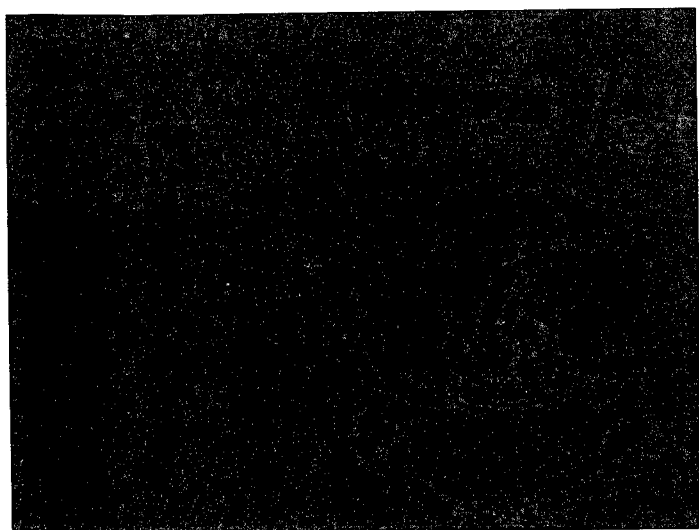
- Pressing the TAPE 2/VIDEO SOUND key will not change the display source indication, but the TAPE 2 MONITOR lights. To play another source, press the TAPE 2/VIDEO SOUND key again to turn off the indicator.

Note:

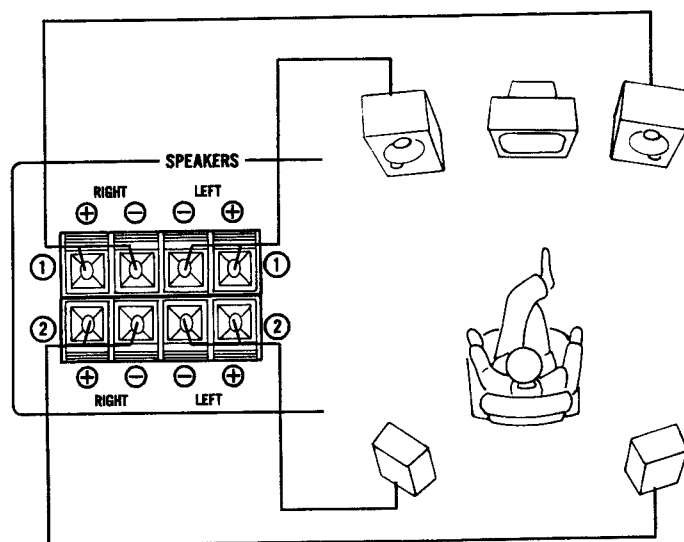
To operate other source equipment, refer to the appropriate instructions.

■ Playing Back with a Surround-sound Effect

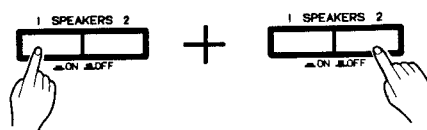
Playing back a stereo source with the SURROUND key ON will produce a surrounding sound effect.



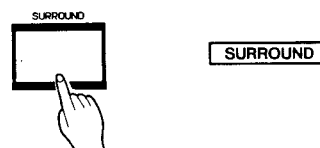
1. Connect speaker systems to the SPEAKERS 1 and 2 terminals.



2. Turn ON the SPEAKERS keys, 1 and 2.



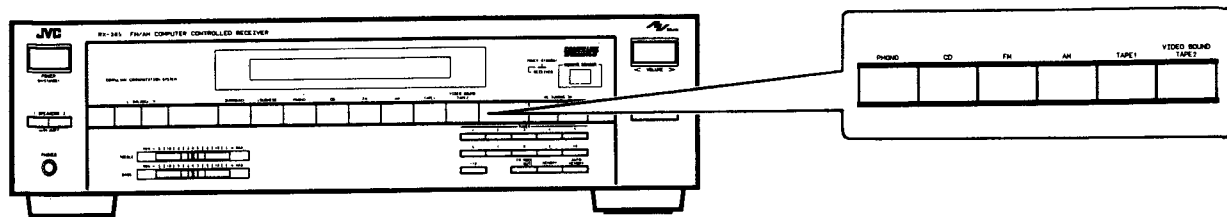
3. Press the SURROUND key.



4. Play back the stereo source.

- If a speaker system with a low-rated input is connected to SPEAKERS 2, avoid using it independent of SPEAKERS 1, and pay attention to its VOLUME control during surrounding sound playback.
- Monaural sources cannot be played back with the surround sound effect.

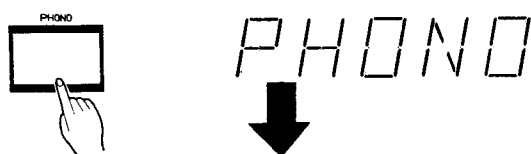
Recording



■ Recording

1. Press the SOURCE key for the desired source.
2. Operate the corresponding source equipment.

<If you select PHONO>



Turntable and tape deck can be operated.

Notes:

The surround sound is recorded as a normal stereo sound even if it is recorded with the SURROUND key is ON.

■ Three-Head Tape Decks

If you have a three-head tape deck, you can use it to monitor the sound being recorded. Connect the tape deck to the TAPE 2/VIDEO SOUND terminals and proceed as follows:

1. Start recording the source onto the TAPE 2 deck.

When the TAPE 2 MONITOR indicator is off, you hear the sound of the source playing through the speakers.

2. Press the TAPE 2/VIDEO SOUND key.



Now you hear the sound of the recording immediately as it is made on the tape.

- By pressing the TAPE 2/VIDEO SOUND key on and off, you can compare the sound quality of the source with the quality of the tape recording being made.

Note:

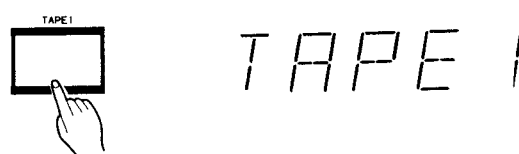
Set the recording level from the tape deck. It can not be set with the VOLUME control of this machine.

■ Dubbing Tapes

Connect one tape deck to the TAPE 1 terminals, the other tape deck to the TAPE 2/VIDEO SOUND terminals.

<To record from TAPE 1 to TAPE 2/VIDEO SOUND>

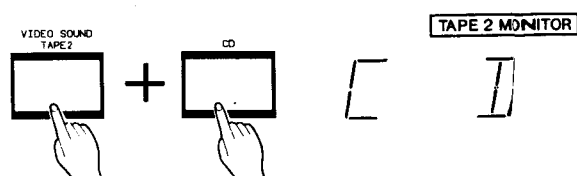
1. Press the TAPE 1 key.



2. Play back the TAPE 1 deck and record with the TAPE 2/VIDEO SOUND deck.

<To record from TAPE 2/VIDEO SOUND to TAPE 1>

1. Press the TAPE 2/VIDEO SOUND key and a SOURCE key other than TAPE 1.



2. Play back the TAPE 2/VIDEO SOUND deck and record with the TAPE 1 deck.

Operation with the Remote Control Unit

- The RM-SR305U remote control units control the RX-305TN (LTN)/RX-304BK(LBK) and JVC's audio visual gear from a remote place via the Comput Link Remote Control System.
- Direct the transmitter window of the remote control unit at target equipment. Take care to avoid obstacles between the transmitter and the target. Press keys slowly and positively, making sure the desired functions result.
- The key markings on the transmitter may not match those on the equipment. Check the markings.
- The remote control unit cannot control equipment functions they do not support. Older equipment may not be receptive to their input.
- Check for connection of the COMPU LINK-1/SYNCHRO terminals on the remote equipment by a remote cable.
- The operation of each key on the remote control unit is clearly displayed on the RX-305TN (LTN)/RX-304BK (LBK). For specific procedures, refer to the instructions for the particular equipment.
- Switch on the power to all the equipment required before starting operation. The POWER keys on the RM-SR305U can switch on the power to the AUDIO (receiver), VCR, and TV.

■ Using the POWER keys

- **AUDIO**
Press to change the power for the RX-305TN (LTN)/RX-304BK (LBK) to ON or STANDBY.
- **VCR**
Press to change the VCR power to ON or OFF.
- **TV**
Press to change the TV power to ON or OFF.

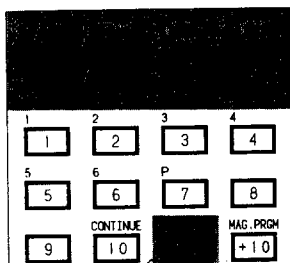
■ Using the VOLUME and MUTE keys

- **VOLUME** ,
Adjust the volume by processing the minus key to lower the sound and the plus key to raise the sound.
- **MUTE**
Press ON to turn off the sound temporarily. Press again to OFF, or operate the VOLUME key, to turn on the sound again.

■ Playing Back Sources

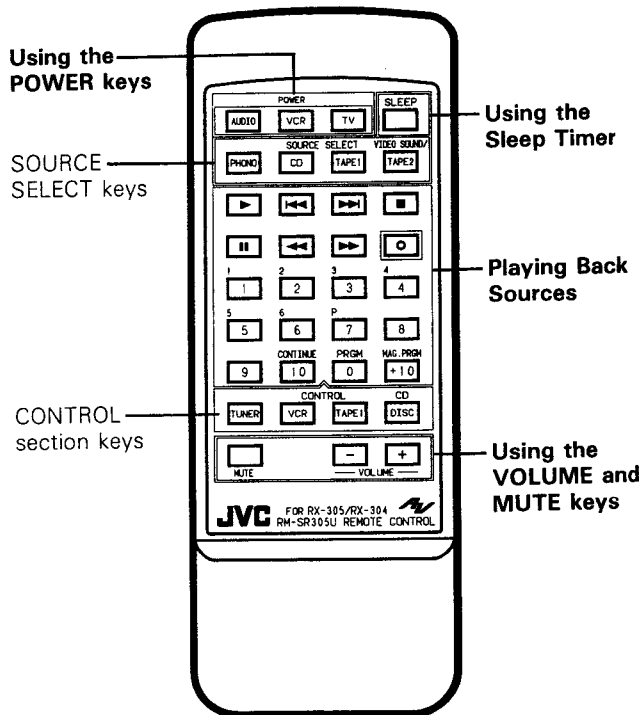
FM/AM broadcasts

1. Press the TUNER key from the CONTROL section keys.
2. Use the following keys.



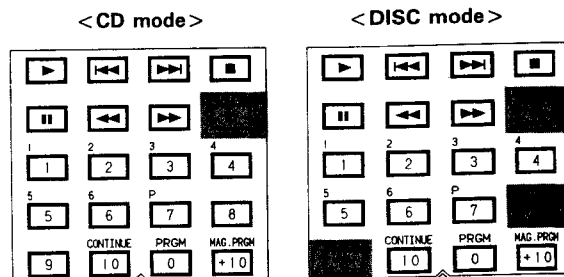
- 1 ~ 10, +10 : Select the preset channel.
- The numeric keys are used in the same way as the TUNER numeric keys on the equipment. For reference, see "Listening to AM or FM Broadcasts".

- **Aim the signals at the REMOTE SENSOR on the RX-305TN (LTN)/RX-304BK (LBK)**



CD

1. Press the CD key of the SOURCE SELECT key.
2. Use the following keys. (CD mode)



- 1 ~ 10, +10, 0 : Select the track number.
- ▶ : Starts play.
 - : Stops operation.
 - ⏸ : Stops play temporarily. To release it, press .
 - ⏮ : Moves backward quickly during play.
 - ⏭ : Moves forward quickly during play.
 - ⏮ : Skips to the beginning of the previous track.
 - ⏭ : Skips to the beginning of the next track.

If you use a CD Audio-changer, press the CD DISC key of the CONTROL section to perform the following operations. (DISC mode)

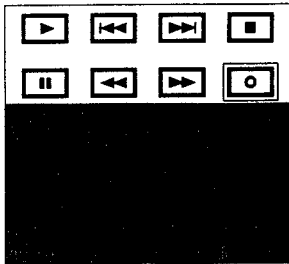
- 1 ~ 6, P : Selects the disc number.
 CONTINUE : Use for continuous play.
 PRGM : Use for program play.
 MAG, PRGM : Use for magazine program play.

- To select track numbers, press the CD key before using 1 to 10, +10, and 0 key to enter the track number.

The numeric keys and play modes vary in function from one type of CD auto-changer to another. Be sure to read the CD auto-changer's instruction.

Cassette Deck (TAPE 1)

1. Press the TAPE 1 key of the SOURCE SELECT or CONTROL section keys.
2. Use the following keys.



- ▶ : Starts playback.
- : Stops operation.
- ⏸ : Stops recording/playback temporarily.
To release press ▶.
- ⏮ : Fast winds the tape from right to left.
- ⏭ : Fast winds the tape from left to right.
- ⏮ : Skips to the beginning of the previous tune.
- ⏭ : Skips to the beginning of the next tune.
- : Press together with ▶ to start recording.
Press together with ⏸ to enter record-pause mode.

Note:

When the tape 1 key of the CONTROL section is pressed, the SOURCE key of the receiver will not be switched. You can use this function to standby for playing or recording while listening to other sources.

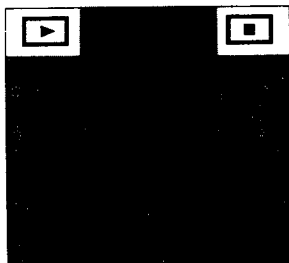
TAPE 2/VIDEO SOUND

1. Press the TAPE 2/VIDEO SOUND key of the SOURCE SELECT keys.

Press when you want to play back or monitor the recording on a tape deck connected to the TAPE 2/VIDEO SOUND terminals or when you want to play back a tape or video equipment.

Turntable (PHONO)

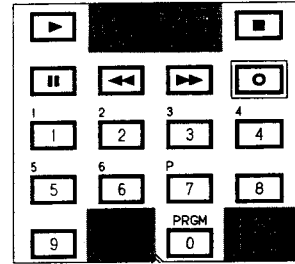
1. Press the PHONO key of the SOURCE SELECT keys.
2. Use the following keys.



- ▶ : Starts play.
- : Stops play.

VCR

1. Press the VCR key of the CONTROL section keys.
2. Use the following keys.



- 1 ~ 9, 0 : Select the VCR channel directly.

- ▶ : Starts play back a video tape.
- : Stops VCR operation.
- ⏸ : Stops recording/playback temporarily and enters the pause/still mode. To release it press ▶.
- : Press together with ▶ to start recording.
Press together with ⏸ to enter the record-standby mode.
- ⏮ : Rewinds video tape.
- ⏭ : Fast-forwards video tape.

- Use the remote controller pointed at the VCR.

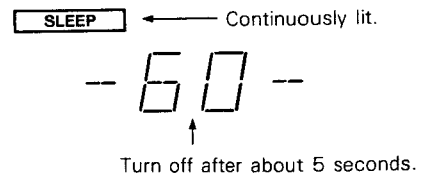
■ Using the Sleep Timer

The sleep timer shuts off the receiver (to enter the STANDBY mode) when the preset time intervals have elapsed.

1. Press the SLEEP key to set the timer setting mode.

SLEEP

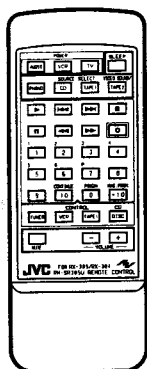
2. Each time the SLEEP key is pressed subsequently, the timer can be set up to 80 minutes, in 10-minute multiples.



3. After the minute display turns off, press the SLEEP key once more to display the remaining time in minutes.

Inserting Batteries in the Remote Control Unit

The RM-SR305U remote control unit requires two size AAA/UM-4/R03 (1.5 V) batteries.



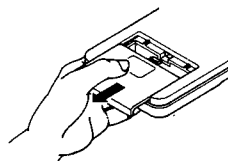
Important Notes About Batteries

- If the range of the remote control unit seems shortened, the batteries may be old. Try inserting new batteries.
- Observe the polarity of the batteries when loading them.
- Do not use one new battery with one old battery.
- Be sure to use batteries of the same brand. Batteries may vary in voltage even though they look alike.
- If the remote control unit will not be used for a long time, remove the batteries.

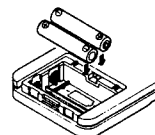
CAUTION:

Do not heat batteries or attempt to dispose of them by burning.

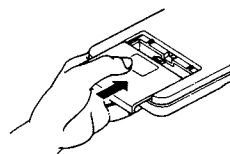
1. Remove the rear cover of the remote control unit by pressing down gently while sliding it out.



2. Insert the batteries, making sure that their position matches that of the diagram inside the remote.



3. Replace the rear cover.



COMPU LINK Remote Control System

JVC's exclusive "COMPU LINK" remote control system connects equipment with JVC COMPU LINK-1/SYNCHRO terminals to the remote control system. The equipment can be controlled from the remote control unit, or other functions (such as automatic source selection and synchronized recording) can be used.

■ Automatic source selection

Pressing SOURCE keys will automatically put the corresponding source equipment into the PLAY mode. When the PLAY key on source equipment is pressed, the corresponding SOURCE key is automatically set to that source. Other source equipment shuts down about 5 seconds later.

Note:

Automatic source selection does not work on the DAT deck connected to the TAPE 2/VIDEO SOUND terminals.

■ Synchronized recording

Synchronized recording permits a tape deck to start recording automatically in synchronism with a CD player or turntable. Set the tape deck in the REC/PAUSE mode and press the PLAY key on the CD player or turntable. The tape deck will enter the recording mode automatically, starting synchronized recording.

Synchronized recording stops automatically after the CD player or turntable has stopped and the tape deck has entered the REC/MUTE mode for about 4 seconds. For details, refer to the tape deck instructions.

COMPU LINK
/// Remote ///
Control System

Notes:

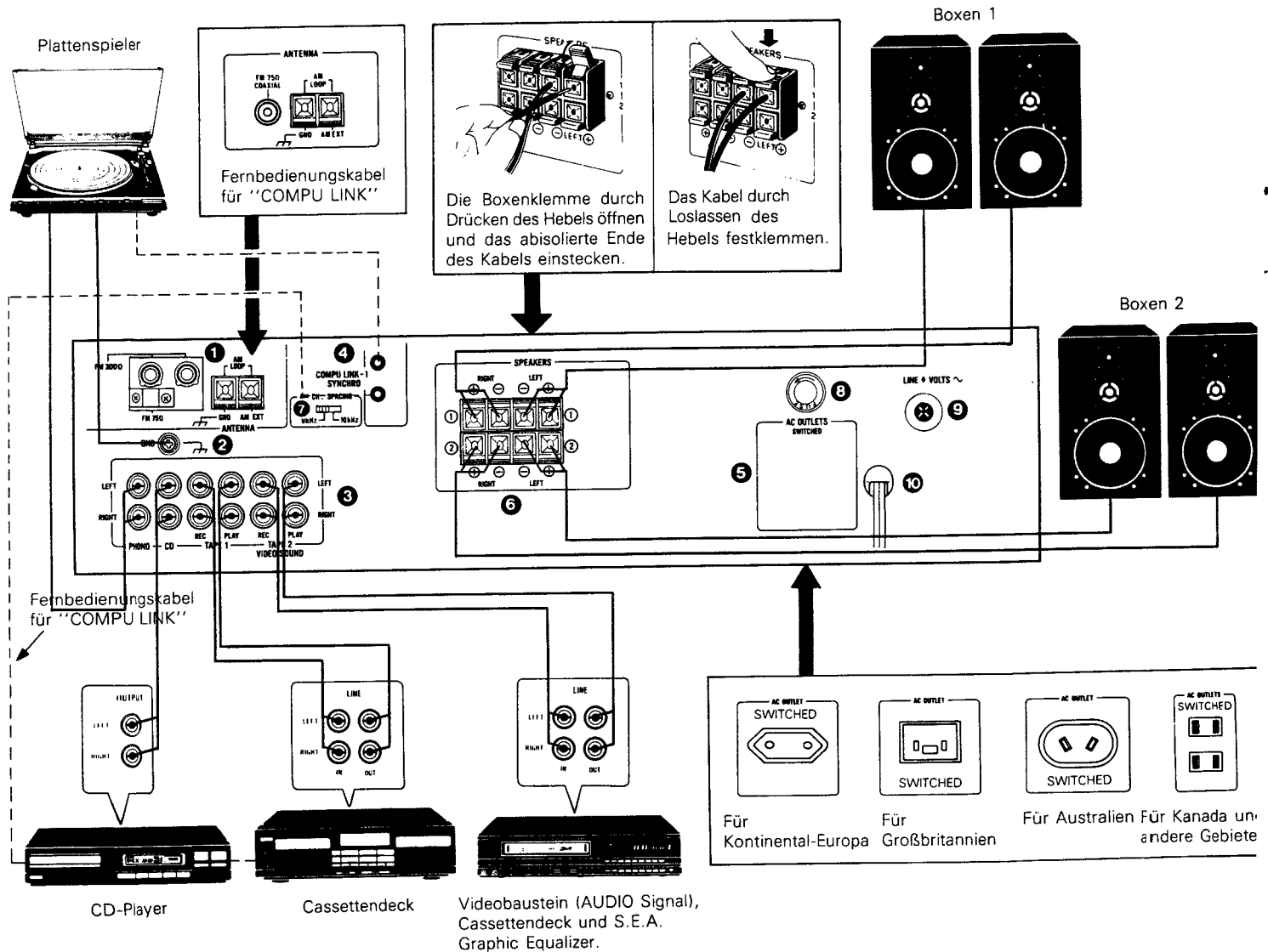
- If the power for any connected equipment is shut off during synchronized recording, the system will not operate properly. In this case, you must start all over again.
- During synchronized recording the SOURCE key will lock in either the CD or PHONO position. This is to prevent you from accidentally stopping the recording or changing to any other source. Although TAPE 2/VIDEO SOUND can be turned on and off regardless of the source, avoid turning it on during synchronized recording. To change to another source you must first stop synchronized recording.
- If you connect a cassette deck to the TAPE 2/VIDEO SOUND terminals, disconnect the remote control cable and do not use synchronized recording.
- If you program track numbers on a CD player or CD auto-changer and use synchronized recording, a blank space about 4 seconds long will be left between recordings. This permits music scanning.

Troubleshooting

Problem	Possible Cause	Solutions
Receiver does not play; Indicators do not light up.	Power cord not plugged in.	Plug Power cord into an AC outlet.
No sound from the speakers.	Speaker wires not connected properly.	Check speaker wiring. Reconnect if needed.
	SPEAKERS keys not set correctly.	Press the SPEAKERS keys in or out as desired.
Sound from one speaker only.	Speaker wires not connected properly.	Check speaker wiring. Reconnect if needed.
	Balance Control may be set to one extreme.	Adjust Balance Control so both speakers have sound.
Continuous hiss or buzzing during FM reception.	Incoming signal may be too weak.	Adjust antenna. Station may be too far away to receive.
	Incorrect antenna used.	Check with your dealer to make sure you are using the correct type of antenna.
	Antenna not connected properly.	Make sure all antennas are properly connected.
Occasional cracking noise during FM reception.	Ignition noise from automobiles.	Move the antenna further away from the road.
Loud hum during record playing.	Turntable not connected properly.	Check the turntable manual. Ground the turntable if required.
	Interference from other electrical appliances.	Try moving the power cord or plugging into a different outlet.
Howling during record playing.	Turntable too close to a speaker.	Move speakers away from the turntable.

Schaltbild

Vor dem Anschließen von Kabeln immer ausschalten.



- 1 Antennenklemmen ANTENNA
- 2 Masseklemme GND
- 3 Buchsen PHONO, CD, TAPE 1, TAPE 2/VIDEO SOUND
- 4 Buchsen COMPU LINK-1/SYNCHRO
Zum Anschluß von JVC-Geräten mit Buchsen COMPU LINK-1/ SYNCHRO für COMPU LINK Steuersystemfunktion.
- 5 Netzausgänge (geschaltet)
- 6 Boxenklemmen SPEAKERS 1, 2
- 7 MW/LW-Frequenzraster**
Siehe Kapitel "Hören von MW/LW- oder UKW-Sendungen"
- 8 Sicherungsschalter*
- 9 Spannungswahlschalter**
- 10 Netzkabel

Hinweise:

- Beim Anschließen der Anlagenbausteine immer auf richtigen Anschluß des linken und rechten Kanals achten. Wenn die Kanäle vertauscht werden, wird die Stereowirkung beeinträchtigt.
- Die Boxen phasenrichtig anschließen, also (+) an (+) und (-) an (-). Wenn die Phase umgekehrt wird, wird die Stereowirkung beeinträchtigt. Immer darauf achten, daß sich nebeneinanderliegende Drähte nicht berühren.
- Immer Boxen mit der richtigen Impedanz verwenden. Die richtige Impedanz ist an der Rückseite des RX-305TN (LTN)/RX-304BK (LBK) angegeben.
- Die Netzausgangsbuchsen AC OUT liefern keine Spannung, wenn das Gerät ausgeschaltet ist. Hier niemals Geräte mit mehr als der angegebenen Leistungsaufnahme anschließen.
- Nicht das Fernbedienungskabel anschließen, wenn ein JVC Cassettendeck mit COMPU LINK-1/SYNCHRO Buchsen an die Buchsen TAPE 2/VIDEO SOUND angeschlossen wird.
- Beim Anschluß von Plattenspielern mit MM-Tonabnehmer (Schwingmagnet) immer die PHONO-Buchsen verwenden.

* Nicht bei Modellen für Kanada, Großbritannien und Australien vorhanden.

** Nicht bei Modellen für Kanada, Kontinentaleuropa, Großbritannien und Australien vorhanden.

Tekniska Data

FÖRSTÄRKARDELEN

Uteffekt (CD IN → SP. OUT)	: 50 watt/kanal, min. RMS båda kanaler drivna i 8 ohm från 40 Hz till 20 kHz ej överstigande 0,03 % total harmonisk distorsion.
	50 watt/kanal, min. RMS, båda kanaler drivna i 8 ohm vid 1 kHz (DIN).
Intermodulationsdistorsion	: 0,03 % vid 50 watt
Ingångskänslighet/impedans	
PHONO (MM)	: 2,5 mV/47 kohm
TAPE 1 PLAY,	: 200 mV/47 kohm
TAPE 2/VIDEO SOUND PLAY, CD	
Inspelnings utsignalsnivå	: 200 mV
Frekvensomfrång	
PHONO	
(RIAA utjämning)	: 20 Hz—20 kHz, ±1 dB
TAPE 1 PLAY,	: 20 Hz—20 kHz, ±1 dB
TAPE 2/VIDEO SOUND PLAY, CD	
Signal/brusförhållande	
PHONO	: 70 dB ('66 IHF) 78 dB ('78 IHF, REC OUT) 66 dB (DIN)
TAPE 1 PLAY,	: 91 dB ('66 IHF)
TAPE 2/VIDEO SOUND PLAY, CD	: 80 dB ('78 IHF) 67 dB (DIN)
Reglerområde	
BASS	: ±8 dB (100 Hz)
TREBLE	: ±8 dB (10 kHz)

RADIODELEN FM

	IHF	DIN
Bandområde	: 87,5 MHz—108,0 MHz	: 87,5 MHz—108,0 MHz
Användbar känslighet	: Mono 10,8 dBf (0,95 μV/75 ohm)	—
Dämpningskänslighet, 50 dB	: Mono 16,3 dBf (1,8 μV/75 ohm) Stereo 38,3 dBf (22,5 μV/75 ohm)	—
Signal/Brusförhållande (vid 85 dBf)	: Mono 80 dB Stereo 73 dB (IHF-A)	: Mono 72 dB Stereo 64 dB
Total harmonisk distortion (1 kHz)	: Mono 0,15 % Stereo 0,2 %	: Mono 0,1 % Stereo 0,3 %
Frekvensområde	: 30 Hz — 15 kHz, (+0,5 dB, -3 dB)	
Infrångningsindex (vid 85 dBf)	: 1,5 dB	
Känslighet	: 60 dB ±400 kHz	: 55 dB ±300 kHz
IF återgivningsförh	: 85 dB (vid 98 MHz)	
Stereoseparation	: 40 dB (vid 1 kHz)	

RADIODELEN AM

MV

Bandområde

Område	Kanalfördelning	
	9 kHz	10 kHz
Kanada	—	530 kHz ~ 1710 kHz
Kontinentaleurope Storbritannien	522 kHz ~ 1629 kHz	—
Australien	522 kHz ~ 1629 kHz	—
Övriga länder	531 kHz ~ 1602 kHz	530 kHz ~ 1600 kHz

Känslighet

Ramantenn : 300 μV/m*
Yttre antenn : 30 μV*

Signal/Brusförhållande (100 mV/m)

: 50 dB*

Selektivitet : 25 dB* ± 9 kHz, ± 10 kHz

LV (RX-305LTN/304LBK)

Bandområde

Område	Kanalfördelning	
	1 kHz	
Kanada	—	
Kontinentaleurope Storbritannien	144 kHz ~ 353 kHz	
Australien	—	
Övriga länder	—	

Känslighet

Ramantenn : 600 μV/m vid 245 kHz
Yttre antenn : 100 μV vid 245 kHz

Signal/Brusförhållande (100 mV/m)

: 50 dB vid 245 kHz

Selektivitet : 32 dB ± 9 kHz vid 245 kHz

ÖVRIGT

Mått (WxHxD) : 435 x 127 x 329 mm

Vikt : 6,2 kg

* Mått vid 1.000 kHz eller 999 kHz.

Rätt till ändringar förbehålles.

POWER SPECIFICATIONS

Area	Line Voltage & Frequency	Power Consumption
Canada	AC 120V ~, 60Hz	200 watts, 240VA
Continental Europe	AC 230V ~, 50 Hz	130 watts
U.K.	AC 240V ~, 50Hz	300 watts
Australia		
Other Area	AC 110/127/220/240V ~, selectable, 50/60 Hz	130 watts

SPANNUNGSVERSORGUNG UND LEISTUNGS-AUFNAHME

Länder	Netzspannung und Frequenz	Leistungsaufnahme
Kanada	120V ~, 60Hz	200 Watt, 240VA
Kontinental-Europa	230V ~, 50 Hz	130 Watt
Großbritannien	240V ~, 50Hz	300 Watt
Australien		
Andere Länder	Umschaltbar 110/127/220/240V ~, 50/60 Hz	130 Watt

CARACTERISTIQUES D'ALIMENTATION

Pays	Tension d'alimentation et fréquence	Consommation
Canada	CA 120V ~, 60Hz	200 watts, 240VA
Europe Continental	CA 230V ~, 50 Hz	130 watts
Royaume-Uni	CA 240V ~, 50Hz	300 watts
Australie		
Autres pays	CA 110/127/220/240V ~, commutable, 50/60 Hz	130 watts

SPANNINGSVERREISTEN

Gebieden	Netspanning en frekwentie	Stroomverbruik
Canada	Net 120V ~ wisselstroom, 60Hz	200 Watt, 240VA
Europese vasteland	Net 230V ~ wisselstroom, 50 Hz	130 Watt
Engeland	Net 240V ~ wisselstroom, 50Hz	300 Watt
Australië		
Andere Gebieden	Net 110/127/220/240V ~ instelbaar, 50/60 Hz	130 watt

ESPECIFICACIONES DE ALIMENTACION

Areas	Voltaje y frecuencia	Consumo
Canadá	CA 120V ~, 60Hz	200 vatios, 240VA
Europa Continental	CA 230V ~, 50 Hz	130 vatios
Reino Unido	CA 240V ~, 50Hz	300 vatios
Australia		
Otras paises	AC 110/127/220/240V ~, seleccionable, 50/60 Hz	130 vatios

STRÖMFÖRSÖRJNING

Områden	Nätspänning & frekvens	Effektförbrukning
Kanada	~120V, 60Hz	200 watt, 240VA
Kontinentaleuropa	~230V, 50 Hz	130 watt
Storbritannien	~240V, 50Hz	300 watt
Australien		
Övriga länder	~110/127/220/240V, (Omkopplingsbart), 50/60 Hz	130 watt

JVC

VICTOR COMPANY OF JAPAN, LIMITED